

Vol. NLIV.


## Why <br> Why

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\title{

The Farmer's Ndvocate <br> Persevere and

Succeed.
} and Fome Nragazine

| ol. XI, I |  |
| :---: | :---: |
|  | EDITORIAL. |
|  | ity |
|  | sible to contemplate. |
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|  |  |
|  |  |
|  | New Brunswick. |
|  | str) Senates and liniversit, staffs commonly be- |
|  | fieve that they can run agricultural colleges, and alomost invariably make a dismal failure wher |
|  |  |
|  | the attempt it. There may be a very few excep tions where a strong leader is made dean of the |
|  |  |
|  | -umrse in agriculture, and siwe it direction, int. |
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|  | itha such men are exceedingly few. As a $\mathrm{g}^{2}$ neral <br> rille. the agricultural faculty becomes submerged |
|  |  |
|  | me the -ademic and much-too-impractical atmos |
|  | , bhere and purpose of universit, life. fails to get into touch with the (ital but stubborn evers |
|  |  |
|  | dav problems of the farm, draws few students to |
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|  |  |
|  |  |
|  |  |
|  | about the farm; |
|  | out a fe tural |
|  | tural pr |
|  | farm. |
|  |  |
|  | Vew Brunswick need look no further afield than |
|  |  |
|  | Truio, N. S., for a very typical and deplorable illustration oi this tendency. In 1885, Novi |
|  | Scotia established a chair of agriculture in connec fon with the Normal school there; in 1888 a |
|  |  |
|  | farm was purchased near-ty, and in 1892 a school |
|  |  |
|  | tural خume |
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|  | " was not until the prosent excellent colleze of Guriculture was opened, in 1905 , under a new |
|  | antincipal, and divorced ulmost entirely from the |
|  |  |
|  | Vown scotia began to matw real progress, Since |
|  |  |
|  | fairly revolutionized. The farlure of the carlier |
|  |  |
|  | Frempt, and the magnificent sucerss of the latwr Hort should carry an cloquent lesson for the ducationists of New Brunswick, as well as of |
|  |  |

I,ONDON, ONTARIO, JUNE: 24, 1909
ught by many an instructor in our High Schools
Colloges.s. but not one such master in a thou and is qualified to teach agricultural chemistry it should be taukht to an akricultural
Eflicient agricultural teaching demands considable expenditure for equipment, and the services a large staff of trained agricultural specialists. hrunswick, any more than they would be at Toonto or Winnipeg, and to provide them would inrunswick would be justified in incurring for years come, for, unless the thing is done well, it ere better not attempted at all. uelph are open to New Brunswick students on cry favorable terms, and here a much better agriultural education can be afiorded than an agrinitural chair at Fredericton could hope to one The educational problem on which New Brunswick should concentrate her best attention is in and girls, by encouraging and assisting in every hossible way the more general introduction of nature study, school-gardening, manual training and domestic science, combined with an earnest effort all along the line to relate these subjects, if we
may call them such, to the general work of the school, and to bring rural education into close touch with rural needs. To this end, suitablytrained teachers must be had, but we have no
doubt the Macdonald College Normal course for teachers, if not, also, the special teachers' course at 'Truro, will be open to all the Normalites the Province of New Brunswick may care to send ing an agricultural course outside the Province when hundred of rural-school teachers are in need ew ready for special Normal training, ition to establish and liberally endow an agricultural col lege, with a Normal course for the special train ing of rural school teachers altached, it wil may be better directed towards finding other way: of meeting the situation. And when such a college s established, keep it clear of the universit.

Irish Repatriation Movement.
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Moisture; Aeration; Weed Destruction.
acture containing plant food in dilute solutionmoisture containing plant food in dilute solutionones Inioned that almost any of the cultivated cropswithdraws three to five hundred tons of watethe soil for each ton of dry matter prouced. The same article noted the fact thatProf. King, in some pot experiments, found thathree-inch mulch of earth, in one hundred daysrine, saved from evaporation, at the rate
8.31.6 tons of water per acre in a black marsh
-11. to as much as $1,525.8$ tons per acre in
rgin clay loam. Allowing for a lesser degree o
fiency from a mutch maintained in feld prace con
are, seems clear that the extration should in
cred by frequent surce he sufficient to admit of the produc
ion of an extra ton of dry matter to the acre
equivalent to almost 4 tons of green ensilage corn
nother effect would probably consist in earlier
aturity, with the resultant advantages of less
hed risk from frost, and in some years greater
feding value. For the sake of conserving mois
aire, therefore, we must conclude that intertillage
of corn and similar, crops is well worth white
It acts favorably in two ways first, by assisting
the fendering of and ave abundantly for the
condly, in providing more abu
but wis liseration of
But this is not all. For the liberation of
hant food the ventilation
as moisture. Nature provides for the ventiationi-
King explains six means by
nals and plants. King explains six means by
(1) by the slow process of diffusion; (2 and 3)
ty the expansion and contraction of soil air, due
by the expansion and contraction (b) changes in
barometric pressure: (4) the suctional effect of
the wind, especially when it is gusty ; (5) the
ir absorbed and carried downward by percolat.
ar absorbed and carried downward by percolat
ing rain water: (6) suction resulting from the
abstraction of water, whether by drainage, cap
ity or root action.
hen allowed to bake, or even to crust over, soil
ventilation is impeded, consequently plant food is
nore slowly elaborated. "Liberation of plant
food " is an illogical and an unscientific reason
fiten given in favor of cultivating growing crops.
It is true that such tillage does conduce to the
liberation of plant food, but it does it indirectly
by conserving moisture and facilitating the aera-

The third reason for intertillage of growing rops is destruction of weeds, which otherwise could rob the crops of moisture and plant food, besides establishing themselves, to prove a nuisince in subsequent seasons. In many respects weeds are a great blessing. They compel shiftess farmer's to cultivate. He who truly appre fates the bencits or calivalill i moisture and soir acration, endently of weeds. ator, weeds will demand little extra work from a ond farmer. What weeds require for their exermination, he would give, anyway, and more be-
whides.
Where is such a thing as overdoing interillage, experience and science point to the wislom, under averake conditions, of cultivating a Corn crop half a dozen times throughout the grow-

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and Home Magazine.
the leading agricultural journal in thb DOMINION.
the William Welishe wrerly by company (Limiten)
JOHN WELD,
gents for The farmbr's adocatk $\begin{gathered}\text { Winipgog, Max. }\end{gathered}$
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is pubbished every Thursday.
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diress-THE FARMER'S ADVOCATE,
the william weld company (Limitbd),
gradunlly reducing to a mere shimming of the surface by the time the plants have reached the
tasselling stage. It is not necessary to use the tasseling stage
cultivator every
the work elfectively until the corn is two feet high. Cultivate as soon after pach rain as the ground will pulverize nicelly. To cultivate ton soon is to impair the effectiveness of the work,
for a damp mulch is less effective than a dry one. To wait too long is to permit the escape of moisture, unchecked for an unncessary length of time,
athd on some heavy soils to precent the prepara and on some heavy sonls to preeent the prepara-
tion oi an ideal mulch. The happr mediun is tion oi an ideal mulch. The happredium is
best, but lut the corn-growers moto until mid

Signiflcance of Emigration Figures
and a rational education, together with a rational but thme are exceptional cances, and usually ambly chldren from it, save only that incitable prolocation. This proportion is not nearly so large as the chronic cityward drift mas have led us to suppose, but, 10 minimize it, "we must edu-
cate our country childrem ior the furm.

## The Dog Menace

The menace of rabies, which has developed in serious degree of prowlence in the ncighboring
state of New York, and has occurred with uncomfortable frequency in Ontario of late, gives cause for serious, attention to the recent report of
a Toronto dails, that iour children in Toronto had been bitten hy dogs. In one case a st. Bernard had badly hitten a little boy in six at least two other children. An application came before a magistrate that the dog be destroyed fo medical purposes, in order to ascertain whether he oo the Pasteur treatment, if necessary: But the cation by bringing counsel and experts to prove that the dog did not have rabies. Aiter heal het the case the mapistrate confessed himself helpless under the existing law to compel the due siruction of the dog. He could onlv make ath order, and inflict a fine if the order were not obeyed; but, as the owner would probably pay the fine, this would not dispose of the dog. The case promising to keep him in the hospital for a while and to muzzle him when on the street in future. There is something queer about a law which hower not endow any constituted authority with canine, not even to determine the mecessity of No degree of sympathy or admiration for dous should stand in the way of the destruction of dangerous ones. There are persons to whom ing allowed them in populous centers. Hitherto the dog discussion has hinged on its relationshif human protection had become al still more press ing consideration. If the owner of a dog were of lasteur treatment, it might cool off some warmith of unregulated sentiment. Wherever there and in citime at all times, dogs allowed to rum at Master or Victim of the Weeds
Americans have boen consoling themselves re-
garding the exodus to our prairie lands by point
ing out that, while in the fiscal sar conding Juns
-ultivation. Canadian blue grass, that toukt "iry, underground-rootstock (reeper, which git ai) much trouble on grain-and-hay farms in hea
 short rotation, bringing corn after sod, follow. grain liberally seeded to chorer. Vien thwe Wo pernicious weeds, bindweed and perennial so histle, can be worn out by a summer of thorouk surface cultivation preventing them from showing
more than a day or so at a time above ground While at first the cultivation may actually to benefit the plants, perseverance will have it Sear will complete the work, if the first does not If the weeds are not too bad, this cultivation
magy be given with a crop of corn in hills, or rapl may be piven with a crop of corn in hills, or ralk,
but bad cases of bindweed are probably bes treated with a summer-fallow. A good farmer masters the weeds with com

## Agricultural Education in New

 Brunswick.The report of the रew Brunswick Agricultural Commission, which drew attention to the need of Lural education in the Province, has to some ex
tent revived the suggestion which is sometime made that there should be an agricultural col lege within its borders. Having regard to th Cact that the college at Truro, N. S., is so clos may be considered as in the 1'rovince, and als, that the Macdonald College and the Guelph Col
lege are so easily accessible, it would seem that nege are so easily accessible, it would seem that
another college is scarcely necessary. However Cell Jones, the Chancellor of the Liniversity of scheme for a course in agriculture in
onnection with the liniversity which has much to commend it. By the use of the other depart tion of the cost of having it done at an indepeendent institution, and there can be little doubt that the place for such education is in connection That the University possesses admirable facill
ties for imparting instruction andtere imparting instruction on agricultural it a good farm of about forty acres, including ahout twent-five acres of cleared land alreads
under cultivation. This farm could be freely used for xperimental and research work in agriculture If at any time an extension of the farm " Moeded, it could bu casils accomplished by
purchase of adjacent lands. 1ksides, about male from the Tni Tersits mildings, there is an "xtonsive tract of land, whll wootd. also belone
ing to the I nisersits. This tract is upwards of three thousand acres in wlent, and it contain tmuch wood farming land and could be used fo would ereatly conhance the walue of the remainder,
the t niversity woulc mo thoubt hie glad to per
wint
 farmers are divided in opinion as to whother this mopment of the studs of agriculture. What the adaptabilit, to Western comaitions semen the the formine part of an asticultural course are already
 pute, on account of its persistence. There are a

 and Thern ans comprarainely?

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it seems that there is a high percentage of loss,
It may be because so many foals are dropped that month, and diseases have a chance to spread.
1 know of several who had failure year after ean when colts came in June, but when they changed to the fall, they succeeded right along.
"Common sense must be used when a mare is bred. She should be given reasonably good food.
After being served, it is not judicious to allow her After being served, it is not jucicious for a time.
to run in the field with other stock for I don't object to putting her at moderate work
Under ordinary circumstances, she is just as we Under ordinary circumstances, she is just as we
at work. A great deal depends on the mare. I every case, she should be allowed to stand or ar
least one hour after service. Mares that are taken a distance to the stallion should stand hour, and then be driven home quietly :' One thing that is sadly neglected is fresh air in the stall in which the mare is kept. It is a big change from open-air pasture to stats a mare
many farmers have. If there is anything a needs, it is pure air while she carries a foal Oxygen is required for the youngster, During
must be secured through the mother. During must be secured through the mother. During
winter, instead of being under the barn with hogs and cattle, she should be out working. Many farmers have thin horses, because they give
them no exercise. The result is they are not fit for spring work when the time comes.
." A great deal depends on the handling of the foal the first season. When the colt is about three weeks old, the mare can be worked, but it is
better to have her at work every day than only a day or two in the week. Hot milk from a working mare is not so very injurious to a foal, but changes such as are given when the nare
worked only occasionally, injure many foals Never allow the colt to run with its mother when she is hitched. Teach it to eat and drink, and leave it in the stable every time. When weaned,
at the age of five months, it thrives well if skim nilk is available

All brood mares should have some bran or wheat ground with the oats. More foals are lost and straw than from any other cause. Of roots a few carrots, once a day, are sufficient. I used to give my brood mares silage, cut straw, and, occasionally boiled feed, but lately I feed grain
and hay, working in some cut straw, and I have and hay, works. .Just before foaling, it is all right to give boiled feed once a day, if there is no grass
" But horsemen have not always sunshine. Last about six months gone, without apparent cause. This year I shall try carbolic treatment, starting with about four drops of crude carbolic acid, and The mares, as a rule will take it on chopped oats. It can be given in salt, but this is not definite, as you never know how much a mare is getting.' its last meeting, with many applications for medals for various shows outside of Britain. It was inally decided to offer

## LIVE STOCK.

Our Scottish Letter.
Busincss AlRSHIRES FOR CANADA.
Aurchires have been very much in evidence dur ing the past few weeks. The month of May saw farms, and one which excited unusual attention was hat of Andrew Mitchell, the well-known breeder heskie, in the stevartry of Kirkcudbright. His ancestors had occupied this farm for many years, Mr. Mitchell relinquished the tenancy at the ear-
liest opportunity which offered. His displenishing sale, as we call the event here, occupied two lays, and in the end he
4in 4 左 arms adjo ining one mothter, cur fied a datiry hernd Hitchell is an firm believer in the thirit inve what are nown ns milk stoch that i. .ownt \& the lary, frumed. styisis cow, with fome



two-year-old heifers, $\{23$ ss.; 10 vearling heifer
made $£ 1818 \mathrm{~s}$. 9 d . apicece: 25 bull calves, f 18 s .2 d : and 41 heifer calves, $£ \tau \quad 1 \mathrm{~s}, 10 \mathrm{~d}$. One
heifer calf sold for $£ 39185$., and a bull calf made ${ }_{2} 256 \mathrm{~s}$. The outstanding feature of a great sale was the value of pedigree and reputation. Mr Mitchell had a splendid quey named Orange 1310 -
som, which carried all before her in the show yards in her time. She and her descendants sold better than anything else in the sale all through. Her heifer cali mace the top price of her sed tion, nnd, through the enterprise of Mr. Ness
('anada got nearly all the best. it would low well were our breeders to put the value where Mr. Nes put it. The Ayrshire "ith constitution and a large frame, which fills the pail, is the animal
wanted in our time Hapily, this is being increasingly. recognized, and the results of the Bar cheskie sale will speed the day when no other kin of dairy cow but the one that leaves a substan Mr. Mitchell is also known as a breeder of Adedesdales. Ilis mares were wrought up to the day of the sale, except in the case of a few tha
had foaled. The 22 sold made the splendid aver each, and both of these go to Canada
Irruce, Lashburn. Sask. The best were daughters of Raron's Fride 9122 , and very true specimens they were. Mr. Mitchell has meantime gone to but at Whitsunday (May) 1910) he enters on the but at Whitsunday (May), 1910, he enters on the about a couple of miles from the town of Kirk cudbright. There he will carry on the breeding
 Two immotat a ture, have recently been introduced into parlia ment. They are noteworthy because of th princijples involved, rather than on account their intrinsic value. Bills to regulate the milh been read a first time. Both make drastic pro posals, but the Scots bill is in advance of the Euglish bill. In Scotland, we have had for years the regulation of dairies and controlling with health of the cows. These bills have usually been in this by the Corporation of Glasgow, which in this particular, has been the pioneer in thi.
country. The leading principles of the ne Scots Dairy and Milk supplies 13ill is the proviand veterinars inspectors, having powers to ey amine and test the animals by which the nilk is iroouced, the premises in which the animals an
housed, and when the milk is distributed, and th persons by whom the cows are tended and milker or the milk is distributed. it is not easy to
irame regulations which will accomplish tho end in vielw, and at the same time conserve that
priceless heritage of the 13riton, the liberty of the priceless heritage of the 13riton, the liberty of the
In the bill now before the country, an
eliort in made, with a fair measure of success, to hold the balance even. There is, however, likely to be opposition. The sanitary inspectors are
body of men who take themselves very seriously It is their business to see that the regulations
ion insuriny a sound milk supply are honored, that the milk sold is up to the standard, and so
on. But :hey woulu like to have the control on. But hey would like to have the control of nuw will, they naturaily feel aggrieved. That
they will endeavor to find all the fault possible the will endeavor to find all the fault possible
with this measure, goes without saying, and al
ruadv the note of rady the note of batule has been sounded by
Feter fife, the sanitary inspector for the (ity of liasgow. Ile is not at all pleased that the mem bers of his honorable company are treated as non-
existent, and he does not mean to take it lving aown. There will be a fight, and in the batter Health, the Veterinary Inspector, and the Saniests of the rublic weal will he overlooker pulide ontifiti is in many hates in sorry creaturna
Whis is precisely the point about which parties
not at all areed. It is argued by some
such compensation should be paid out of imp, not at all agreed. It is argued by some that
such compensation should be paid out of immerill
laxation. We are not mindial, meanwhile, nhoul
the source whence the compensation may he source whence the compensation
Urawn ; the gratilsing thing is that, drawn the tratly ing mision is sanctioned for paving compenatio
vision of animals slaughtered in the public int
lieu lieu of animals slaughterad in the public intere
Such an arrangement mans that the stock-ow
becomes the ally of the authorities in tracing becomes the ally of the authorities in tracing
fulberculosis to its source, and stamping it This is a great step gained, and when so This is a great step gained, and when so muct
has been attained, more will follow. The iact
that the order will not come into force until hat the order will not come into force unth part of the authorities to have the matter thor

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the end arrived at. SEMARATF.
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DOES SCOTLAND MEFD A SEPARATE
subject of the formation oi a Department oi
Agriculture for scotand, separate from the Brit.
Agriculture for Scotland, separate from the Brit-
ish Board of Agriculture. Many of those familiar
with the splendid work which has been done by
he Irish Department of Agriculture are anxiovis
o see something of a like nature established in
icotland. The conception is worthy, and wer
it possible to have here a duplication of the Irish
lepartment, it would be will worth aiming at
and striving to attain unto. No department of
siate has more to show for its work than the
Irish Department of Agriculture. it is splendidly
ndowed and equipped. Its stall is one of the
and in all sections of its activities it has abun
dant evidence of its success. But scotland is
different from Ireland in more ways than one, and
the very condition which assures success to Irish
agriculture, through its department, is lacking in
Fongland, as Ireland is not. There is no border
land between Fingland and Scotland, agricultural
y. The markets on either side of the border ar
land and scotland it would not be impossible
hut it would be highly dangerous, to place thi
administration of the Contagious liseases Act
under the control of a dual authority. It might
at the mercy of an independent administrative
authority in Iondon. isesides, there is no differ
ence bet ween the problems confronting the Depart
ment in Fingland and those by which they art
louping-i!!, braxy, trembling, and such like
the same on either side of the line which divide.
is a thorourghl scotland. What is really wante
is a thoroughly-equipped and endowed department
naving ample resources, the best men in their sea
naving ample resources, the best men in their sel
cral departments, at its call, and the best facili
cies for rescarch. The way to get this is not th
duplicate agencies. but to thoroughly, equip on
department so that it may undertake all the
lasks to which attention need be directed. N
one with any regard for accuracy means
irm that the existing conditions are what thes
dnould be, but to place the agricultural interests
if sotland under the control of an official like
ready overturdened, and its, whose oftice is at
factorily performed, would not be to improve
disaster to agriculture Parochial ideas have
wonderful attraction for some minds. For our
desire British agriculture to flourish, and wish i
Aficient ministers, and administered by men the

A Mammoth Canadian Steer.
mut onk at means to an mond.


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## THE FARMER'S ADVOCATE

Sheep-raising Means Profits.

ranches farming are more desirable than sliver, raising. In

some toculities, however. the ravaecs of doss some localities, however, the ravares of doess
makes it hazardous. This can practically be "ercome by bringly the sheqp, to the barn every
night For many years past, Pot Xor Xoris, of
 tock. Three yeats ago, :33 ewes gave thirth w and the remaining 46 hrought \$2(i), This year, 2t lambs. $A$ member of the adturial talf of .a The larm "A s Advocate recents had a tath with Mr.
Dorris at his home. Ns thech is not as large as in ecormer years, he temarhed. "This is
not becauss ! do not conider sheep are protitable The fact is my sheaf ling we more money than
any other hime of farming -and that off $m$ y poorest land. I don't want more than 25 ewes now, at
1 have not enough pasture. some sodi land that will be resceded, and then my for iatening hambs. ter ieed. For three months atter housing they get roughage irom oats. Potatues are a satisfactory substitute for curnips. Mangels, however, should not er ted sheep, as they scom them. About the first oi March I like to give clover hay and oats nealthy lambs. Too many farmers give no con. aising young. A mare or a cow or any animal have hindly treatment and suitable food ior some time prior to producing the soung, or frilure and " During the winter months, my sheep are
never allowed to mix with other stock. Salt is always before them, and they are out for exerise, with access to water in a trough, once a
day. Sheep like to select their own temperaday. fheep like to select their own tempera-
tures for sleeping quarters. My pens are so
arranged that they ieed in racks in the large pen arranged that they ieed in racks in the large pen
enclosed by stone walls. From this they can go to a enclosed shed stone wals. From this they cango to a to the inside "nclosure at night, but,. as a rule,
they prefer the covered shed all through winter. Whey prefer the covered shed all through winter
We must not forget that sheep want iresh air and sunshine. I wish to caution all against nar-
rou doors for sheep houses. To avoid injury to the ewes, all entrances should be at least four I am not in fator oi carly lambs. Ihe
aerage farmer cannot find ime to take proper are of a large floch in late winter or early
opring. Besides, when losses are counted, it pays
ond netter to have them come late-ncler before May
st. 1 ambs generally do well if they come when hure is prass.
oraking one year with another, the waford
owns suit me best. (1f course, when woul is
 "ooled hreeds, as I get no more for one grade of
vool than ior another. The ()xfords, however, ar. xcellent for carcass. In any case, the returns
re satisfactory. On the average, i net at least fometimes the profits are double that amount. looked in connection with sherp). You cannot find ooked in connection with sheep, hou cannot find akers. I don't know of a weed, except Canada have not become large and woody.

The barbedwire strand hats twen extended into the domain of the cal
$\qquad$ nee has cut up the cathle runs and shepe pat
 meaning of that euphonions phrasi" the first st
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## Profitable Sheep Farming.

II sheep, husbandry, was ap prowatce husiness in
Canada fifty years ago, as there is gooll reason to believe it was, it is diflicult to understand
why this industrys is so largely neglected as it is Kow in many districts of the older Provinces, in Which the number of shocep kept by rarmers, has conditions, so far as one can stee on the surface. are as suitable as wer for shequ-raising. The ciimate has not chanked, the foods necessary for Gulcessful feeding of sheep) can be quite as plent as high as ever, wool being the only product of the flock that has ruled low in price in recenn Class of farm stock. The common complaint "ecuse that dogs make the industry unsafe has fi) more foundation than it had halli a hundred iis ricts, much greater per mile than now, and when here were more dogs kept than now, beceaus. were flentiful and live stoch wis allowed to run
An article in the Canadian Agriculturist. pub
lished in Toronto, sixty years ago, pointed out the profits of sheep-farming as an auxiliary to
successful grain-growing in Ontario at that date. From the article referred to, we quote the follow
from the the present time there is, about five miles Irom the Village of Bancroft, in Hastiugs Counts, sheep farm, which the owner, Br. Leavitt, has profitable, having developed into a thriving business. It consists of 1,200 acres, is nearly square, and encloses three small lakes, which Dr. Leavitt
has plentifully stocked with trout and black bass. ." The acquisition of so large a property, it is stated, is the sequel to a chance investment in a flock of twenty ewes about twelve years ago.
In November of that year, iwo settlers eack took ten of the ewes, under an agreement to care for them and return at the end of three years double chance on similar terms, and then Dr. the same chance on similar terms, and then Dr. Leavitt be
gan to buy and supply pure-bred sheep of the kind hest suited to the locality. All this systematic breeding led up to the sheep farm. As the industry grew, the business became so extensive and important that a central point was required people could come, buy, sell or acquire flocks under Dr. Leavitt's carefully-developed system of breeding. It is not alone the new setters, either well-to-do farmers also find the venture profitable. ". By giving the necessary care, a farmer taking twenty sheep on this plan, finds it an easy matCer to become the owner of forty ewe; besides three years. The scheme has been found to work well, and has done much to develop the sheep in Wustry of the district, and might, no doubt. b

As against the views expressed by an erst While subscriber, as quoted in the opening edi
torial of your issue of May 27 th, 1 wish to con gratulate you on the journal you are putting out It is a credit both to you and our country and
I wish it everv success.


Ju:dging the Champion Shorthorn Bulls.
slight incline from the barn downwards, and
is left to the reader's judgment as to whether should be erected low enough to allow of a cor ng of earth over the cement.
To throw the roots down, a manhole, two fee
By raising th edge of the cement about the manhole slightl and covering with strong plank door, protecte with zinc, any wet that might soak through
covering of six inches of earth laid over all, wil he shed. Some fill the approach-cellars wit roots through windows at either side, or from door opening into basement passageway, whe com-
trap is more convenient and speedy. The partment can be ventilated thr
in end and door into basement

## Cultivating Quack-sod Without Plowing.

The article in your issue of Mas arth. on wht
ing quack grass, contained a lot of inormation
regarding the eradication of this froutlesom
regad, but, to eradication of this troublesom
make it up-to-date.
Whether it is to my credit or not, ass a farmer
I have had a good deal of experience in fighting
farmer, and, in riding through this section. one
would think, from the appearance of some farms
that there would have to be a fight between
owners and the quack gras:
have possession of the farm
Success in fighting quark, as in many other
Lhings, may be summed up in the word thoroug
ness. As an old farmer put it, it is dead eas
to kill the first half, but the last half is the rub
There is nothing that quack delights in more thar
There is nothing that quach delights ing to keep
growing nicely. It this date, it is too late
say anything relating to the spring treatment
quack, so I will contine my remarks to after-has
ing conditions. 1 will assume that one has a
pince of old meadow, more or less infested with
this pest, that he wishes to eradicate in the
easiest, speediest and most cfficient manner. Don ty
stead, go on with the king cultiator, or simila
implement, graduall. working down under thu
implement, gradual
roots, and bringing
you have vour
The trouble with
ground, and when
the sods are agt to roll up
The difficults in working a spring-tooth cultivato
on quack is that, owing to the broad shanks.
the roots gather on the teeth, causing both
souble and delay, ther working as thate de
brought up and left on the surface, exposed th
ft untilaterecrecting and root-pulling. when
ating, and finally ribhing up for winter. to la
the frost it the first cultivating, of the land is we

off the roots. ass, by leaving thrm on the lan
wil, therebs comperan ing its hamus mechancal cont of the

English Small-holdings Act

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nociding land. The nomotlicial
English Small-holdings Act

## Back to the Farm

Back to the Farm.
By Martha (iibert wichenson blathi

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| refrigerating | FRI IT INSPECOTM,$\qquad$ |
| :---: | :---: |
|  |  |
|  |  | It was moved by Mr. Barber, of the Georketown

Association, seconded by Mr. Fearce, oi the Sparta Association, and carried, that iruit inspec-
tion in the neighborhood of the local associations be made more strict, and that inspectors vixit
these districts more often than thei have don in the past. oi fruit outside of the associations have packing all kinds of stuff. This is especially true
where orchards are bought up. Packing in thes cases is usually bad, and not in accordance wist
the requirements of the 1ruit March Act. This the requirements of the Fruit Marks Act. This
Iruit is shipped out of the countro, and much of $t$ reaches its destination without being detected. Local associations that are endeavoring to put up an honest pack, find it dillicull to retain their vail. SEL Liñ ( AGENTS Abroal)
Mr. Barber proposed that something should be
done in the way of securing reliatle agents in the leading fruit markets of (ireat liritain and else where to handle the fruit put up by the co-operad
tive bodies. This brought out considerable dis cussion. As already stated, the local organiza tions do not favor the central body acting a
eelling a avent for the local associations. If. how ever, the central body could select reliable parties m the leading markets that the associations could great help.
changes handle the
the local association and the plan has
 uvers in leadined

解 co-operative plan of packing and selling fruit fruit to Great Britain, stated that they had not been very satisfactory, so far as his experience
was concernect. He thoucht there was an inclination on the part of the trade there to take advan tage of the situation, and not sive the shippe
his just due. Judging from the very satisfactory reports received from shipments of the same fruit
sent to private parties. as to the condition in sent
which it arrived, he was inctined to think that the
trade trade did not report farly as to the condition
which the recular shipments arrived It was finally decided to have the secretar find out the names of reliathe dualers. and send
these to the associntions. anll also send a list of the co-operative associations in (Ontario to re-
liable dealares in the (1)d land nuld elsewhere it was pointed out that the fruit irade in Western Canadn is pratual ods of doink Ausiness arre saill tho firm's methhichest 'haracter. An offort will be mand to The last topic diceussed wan chat of having" wit packed by them. As such al brand could the quality of the frimt and the kind of pracking the use of the nand wind Hiliatced socel,

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Spraying for Peach Leaf-curl.
 ord is pe of peach, which in not casils athected hy


Eye-spotted Moth of the Apple Tree


ear and biossoms are destroyed, they being tied which takea shass and devoured any the worn Vaterpillar is about onehalf an inch in length When fully grown, dark brown, with al black head aal grouth, and will then form its chrysalis, oun
if which a small moth will come about ten day
anter. The moth is ashen-grey in color, with
latile white blotch across the middte of each of thy

hear the tip, and the other at the hind angle of
The wing. From these spots it gets its named
of destroving these creatures, and slates that he
has gone through his orchard and pulled off both
leaves and hossomss scellent plan, if the worms




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Howeser, beiore very long the course of the crem
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ture will be run, and they will disappear. The
(1o) not nsuall: attack anything but the termina
do not usually attack anything but the tormina
leaves and buds or blossoms, and to not stri)
leaves and huds or blossoms, and do not strib
Datice greo war worrespontent to use a strong

deaux mixture. for the dust ruction of fungous dis
the auphis on currant busthes how limst to destro
the eaprious kinds of plasthes lice can lice soll mhing
by spray ine with kerosene emulsiont or "un wn:
made of whalle oil soap) it is dificult. howne

or warty appenamen on the upper fide, and is


Ventilated Apple Barrels.

## THE FARM BULLETIN

Oxford Co. Farm Notes

Special Work by Prof. Shaw

| Late Season in Quebec. $\qquad$ $\qquad$ $\qquad$ $-\operatorname{lom}$ $\qquad$ $\qquad$ <br> B. C. Stock-breeders. $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ <br> South Ontario. |  |  |
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## MARKETS.

Toponto.
At West Toronto. on Monday, June
21 st, receipts were 54 cars, consisting of
1,183 cattle, 5 hogs, 173 sheep, 12 calves. 1,183 cattle, 5 hogs, 173 sheep, 12 calves.
Quality of catte generally good, especial-
亚 ly exporters. Trade quiet. Prices firm
for export steers. $\$ 5.5 .5$ to 86.40 export Yor export steers, $\$ 5.8$ to pick, extch-
bulls, $\$ 4.75$ to $\$ 5.25$; prime picked butch
ers'. $\$ 5.75$ to $\$ 6$; loads of good, $\$ 5.30$ to ers', $\$ 5.75$ to $\$ 6 ;$ loads of good, $\$ 5.30$ to
$\$ 5.60$ medium, $\$ 5.15$ to $\$ 5.25 ;$ common,
$\$ .60$, $\$ 5$, cows were 25 cents to 50 $\$ 4.60$ to $\$ 5$; cows were 25 cents
cents per cwt. 10 ower, at $\$ \$ .50$
calves. $\$ 3$ to $\$ 4.60$
$\$ 5.50$ per cwt.
 83.50 ; lambs, $8 \downarrow \mathrm{c}$. to 9 9tc. per lb . Hog
market firm; $\$ 7.90$, fed and watered at market firm; 87.90,
maarket, and $\$ 7.65$.
REVIEW of Last wielf's market. The total receipts of live stock at the
City and Union Stock-yards were 363 arloard, consisting of 5,790 catte, 4,746
hogs, 2.313 sheep and lambs, 1,025 calves and 170 horses. The quality of fat cattle generally was
good, but there was a sprinkling of grass cattle, which have started to come on the market. Trade was good, with prices
quite as high as they have been all seaat the twarl markets on Monday and Tues at the 1 wo markets on Monday and Tues-
day. all of which were quickly absorbed,
as the demand was strong; but, on Wedas the demand was strong; but, on Wed-
nesday, when 63 carloads more arrived, rade eased
grassers broke from 5 Exporters--Fxport steers sold from $\$ 6.25$, heifers, $\$ 5.75$ to $\$ 6$; ,1.ulls. $\$ 5$ t Butchers :- - 'rime picked lots of steer
and heifers sold at $\$ 5.80$ to $\$ 6$, and one prime. 1 s -months-old steer, $1,260 \mathrm{lbs}$ wards at $\$ 7.50$ per cwt...
of goond sold at $\$ 5.50$ to
 stickers and feeders. - The market for
tockers and feeders was yuiet. fow beon

 Mikers and springers. - Receipts
$\qquad$

THE FARMER'S ADVOCA'TE

|  | Montreal. |
| :---: | :---: |
|  | Live stock.-lractically all the catice advices from (ireat Rritain last weeh |
|  |  |
|  | The weather was hot at Liverpool, but |
| 8745 to 8740 fed and wat |  |
| at $\$ 7.5 .5$ to $\$ 7.90$, fed and watered atthe market, and $\$ 7.60$ to $\$ 7.65$, f.cars at country points.Horses. -Trade at the Union Horse |  |
|  | $\begin{gathered} 2 \\ 8 \mathrm{w} \end{gathered}$ |
| change for the past week was much in'proved. At Monday's and Wednestay'sWetion ale last week. over 125 horses auction sale last week, over 125 horses |  |
|  |  |
|  | season. The loulk off the offerinks, in |
| were disposed of at better prices, because he funlity of many of the horses was |  |
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| from Western Provinces. Prices ranged as follows Drafters. $\$ 160$ to $\$ 215$; |  |
| general-purpose, $\$ 140$ to $\$ 180$ : express and wagon horses, $\$ 150$ to $\$ 200$; drivers,$\$ 100$ to $\$ 170$, sericeably sound, $\$ 40$ to$\$ 800 \text { to } \$ 1.0 \text {. sem }$ |  |
|  |  |
|  |  |
| $\$ 85$. <br> BREADSTHFS <br> The wheat markets are reported easier | at 82 to $\$ 6$ each, and calves rangrig from $\$ 1.50$ to $\$ 3$ for pour, and $\$ 4$ to $\$ 7$. |
|  |  |
| hut lucally unchanged. Wheat- No. 2 Manitoba-No. 1 northern, $\$ 1.38 ;$ No. 2 | the other side of the Allantic were easier |
|  | acon, the local |
|  | ,acm. |
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|  |  |
| Barley-No. 3 extra, 61c. to 63c.; No. 3, 61c. Oats-No. 2 white, 61 bc.; No. 3 (ion 2 yellow 83tc. No |  |
|  |  |
|  |  |
| dian, 77 c , to 78 c , track, Toronto, Buck-wheat-No. 2, 7Oc. to 75c. Flour- | continued very light, being rather scarcer |
|  | than before Shipments to the hest, |
|  |  |
| wheat-No. 2,Ninety per cent. pactents, ${ }^{2}$ Ontario, $\$ 5.65$ buyers sacks, on track, Toronto, and \$5.40, outside. Manitoba first patents, $\$ 6.20$ to $\$ 6.40$, at Toronto; second patents, $\$ 5.70$ to $\$ 6$; strong bakers', $\$ 5.50$. |  |
|  |  |
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| tents, $\$ 5.70$ to $\$ 6$ : strong bakers'. $\$ 5.50$. hay and millfeed. <br> Market steady; prices unchanged. Hay |  |
|  |  |
|  |  |
| - Maled, car lots, on track. Toronto, $\$ 13$to $\$ 13.50$ Straw-Baled, car lots, on track. Toronto, $\$ 7.50$ to $\$ 7.75 . \quad$ Bran- |  |
|  |  |
| track, Toronto, $\$ 7.50$ to $\$ 7.75$. BranCar lots, on track, Toronto, \$25. Shorta - Car lots, on track, Toronto, \$26. Manitoba meal, $\$ 33$ per ton Flax-seed meal. $\$ 3.75$ per cwt. |  |
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|  | 95 c . per 90 lbs , for red potatoes. up io |
| The only Canadian fruit arriving on the market thus far is strawberries. White | \$1.07, for lirc |
|  |  |
| \& Co., wholesale dealers, received about a dozen cases of these, grown at se <br> 'atharines, which sold at 15 c. per quar |  |
| "atharines, which sold at 15 c . per quart.HiDES ANII WoolE. T. Carter \& (\%) 85 Fast Front |  |
|  | pa |
| street, Toronto, report paying the follow- | per ib... at country po |
|  | the same stock her |
| ing prices: No. 1 inspected steers, 60 |  |
| lbs. up. 11 tc.; No. 1 inspected cows, 12 c No. 2 inspected cows, 11c.: No. : inspected cows and bulls, 10 c ; country |  |
|  |  |
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| hides, 10 ctc c; calf skins, 14 c . to 16 c : | ally again at country points, as high us |
|  |  |
|  | nothing choice being available under 22 bc c. |
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|  | sponsine for the |
| 17c. to 19c.: wool. rejects, 14 c . Raw furs, prices on application. |  |
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| COUNTRY PRODUC1 <br> Butter-Receipts large: prices easy |  |
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| Butter-Receipts large:priceseasyCrammery rator dairy. 19c. to 21c.; creamery solids. 22e-story lots 1-c to 19 c |  |
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|  | 'heese -Market athanced, both in the |
|  |  |
| new, easier, at 12 cc . to 13 c . per p th. Beans.-Still scarce, and prices firmer, |  |
| at $\$ 2.20$ to $\$ 2.30$ for primes, and $\$ 2.40$ | try point |
|  |  |
|  | are almost as high. b |
|  | port demand wers lair. |
| "oultr - Recerpe were light, but springChickens are becomine jnorn plentiful) and | Grain. Oate are thactuating dails |
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|  | dian Western, $59 \% \mathrm{c}$. for "xtra No. 1 feed, |
|  | Wrum |
|  | Western oats |
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| ens 35 c to 41 c , and a few extra-quality | bitace to bisc., buchwheat heing |
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| Chicago. |  |
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IMPERIAL BANK OF CANADA
chartered 1875.
Capital Austhorized, $10,000,000,00$ Capital Paid UP $\$ 10,000,000.00$ Reserve - - 5,000,000,00

SAVINGS DEPARTMENT paid at highest current rate from Farmers' sale notes discounted Bracse throughout the Branches throu
minion of Canada.



THE FARMER'S
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What Will You Have?

Current Events.

The Beaver Circle




1038
Production of Modern


 yark of the ant eren beats and poth-

 having the hithest terecen age of product
 does not exceed saxty per cent. Most of
the paper made to-day is inferior to the
paper oi old times, because it is so largely used for the purposes for which







 lousesing ount in Nownd person, have been made of paper. The thotal tunathyy or
 outd be more than thiry

The Cure for Worry. st of restuses imps and fart, which






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## hereof... Fourth

## esterday is Fifth, by

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At Nightfall


A Dusty Decision
$\qquad$ all crippled up with it for a year ' $n$ ' a
ali
He didn't do a half before he died. He didn tor at as
stroke of work for more $n$ a year. Twas
proty lucky for us he made his monev $\qquad$
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All flour is made from wheat. But there are different kinds of wheat and several ways of milling.

## Royal Household Flour

is made of the best hard wheat in its finest and purest form. It always produces uniformly light, wholesome bread or pastry because its quality never varies. If your grocer does not carry Royal Household Flour, he will get it for you.

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The Midges Dance Aboon the Burn he midges dan
The dews bugn


THE FARMER'S ADVOCATE.


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SCIENCE (Including Engineering) Students registering for the first time
before October 21 st, 1909 , may complete the Arts course without attendance
For Calendars, write the Registrar. For Calendars, write the Registrar,
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Let the children drink all they want. Healthful, nutritious, delightful.
Absolutely pure. That rich chocolate flavor. Very economical.
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## ABSORBINE






For Love Knot (Vol. XXVII) S (5826
Sale
Imported Clydesdate Brood Mare Sate
Imported Clydesdale Brood Mare.
May 25, 1902 . Color dark brown, white


Thomas Ar McGart fyr Box 472, Barrie, Ont.

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For sale by dealers everywhere. If your dealer has none in stock, write us and we will give you full information.

The Baynes Carriage Co.,

Bear in mind that ever vericice we buide is fitted with Long-distance Axles that will run one year with one oilins.
HAMILTON,
ONTARIO.

## PEASE "Economr" Fewest Joints FURNACE <br> ...................


honarchy 1 lut it ilourishes with pristine rigor in New F
that olive Dranch graited statels 1ree of the British Emphir,
The broad chest and flexile linls Wather de Berey rany out the
old sonts in iones that fillod ... Girand Dien : Sauver le Roii
Gramd Dien : Sause/ le Roi Sauve. le Roi
Que toujours
Blorieux.


The eompany all joined in the chey Che tadis malne their handhen
chiefs, and malce anil female blending
 old walls rint with joy, Songs and
speeches followed in quick succession,
sutting tuls cutting as with a golden blade the
hours of the dessert into quinzaines The custorn of the times had
dured speechmakine after dimner

 lets ior reply, were the eighth mory
tal sin which no lady would forgive
and bourgois, however, felt it incumbent upon himself to, express his
deep thanhs ior the fionor done his house on this auspicious occasic
And he remarked that the doors Belmont, so long closed by reason
of the absence of Pierre, would here after be ever open to welcome all
friends. He had that day made friends. He Had
gift of Belmont with alli its belong
ings, to Fiperre, and he hoped-the Bourgeois smiled as he suid this, but
he would not look in a quarter where he would not touk in a quarter where
his words struck home- he hoped that some one of quebec's fair daugh-
ters would assist tierre in the men ters would assist Pierre in the me
age of his home, and enable him do honor to his housekeeping. Immense was he applass ch of the
lower the short. pithy spech of the
lourgeis. traised, the tentlemen chered and
unjoyed in anticipation the renemal

 heart : What think you, Hortense
which Which of Cuchec's fair daughters will
he willing to Chare Belmont with
Ben "Oh any "if then would " "rue
pi ied she. Mut why did the Bour reois restrict his ,hoice to the ladies
of (Quchec. Uhn" hu know I camm from
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## BRONCHITIS

Bemolitis is genorally tho resalt ef e ald cenedber, and is a very dangeroes infam. mentber, and is a very dangarom in in The Symptoms are tightrene earous oochert, sharp pains and a difieality in troathing, and a seoretion of thiok phhogre, NDlowinh color. Noglooted Bromabitisin ano the most goneral onuses of Conrimption. Care ft at once by the use or


Mra. D. D. Millor, Allandale, Ont., Tood: Morwy Pine syuru for my lititio


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The prico of Tr. Woodt Normy Pino

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HEREFORDS!

Insleside H. D. Smith, Hamultont
Aberdeen-Angus Cattle For Sale: Cows, Hetiens, Bulla.

Aberdeen- For olit iht ight ooth Angus watiter hale
Scotch Shorthorns


Long ind
Green Grove Shorthorns and
 PLEASE MENTION THIS PAPF
their houses. The doctor was quite
serious, und even Hortense, catching
his looks, stood very silent as he
GOSSIP. studied the celestial aspects,
" Carrying through ether in perpet. $\substack{\text { ual reund } \\ \text { Decreess } \\ \text { (iods.. } \\ \text { and }}$
resolutions of the "The L.ord of the ascendant, said
he, "is whth heord ord oi the sevent
in the tenth house. The querent. In the tenth house The querent,
thereforc, shall marry the man made for her, but not her tiran or her
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o. The stars are trued continued
he. speaking to hiinself, rather than he. speaking to hiinself, rather thand
to her. Jon Jupiter in he seventh



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THE FARMER'S ADVOCATE.

QUESTIONS AND ANSWERS
Veterinary.


Miscellaneous


The Greatest Summer Event in Canadian Shorthorn Circles will be the

## James I. Davidson Sale

AT BALSAM, ONT., ON THE IST DAY OF JULY, '09
The herd has lately been gotten together by James I. Davidson,
Ir., with the purpose of having as good SCOTCHI SHORTHORNS as ave been imported and bred at Sittyton Grove in the past.
His health having given way, it is feared permanently, the cattle
will be sold without reserve, and the hopes and ambitions of a great will be sold without reserve, and the hopes and ambitions of a great
over, a gifted judge, and a natural breeder of good Shorthorns will be urned over to the public
There are Cruickshank Village Girls, Lavenders, Missies, Match-
lesses, Mysies, Golden Drops, Wimples, Rachels, Brawith Buds, and representatives of the earlier importations of Scotch Shorthorns.
There are breeding cows of grand scale and character. There
are heifers ready for the show ring as they go in the field.
re heilers ready for the show ring as they go in the field.
There are bulls of the breeding and quality to fit them for use in
any herd, and there is not a medium bull in the sale. There are calves any herd, and there is not a medium bull in the sale. There are calves
of both sexes in the primest condition for the show ring, and it will be a good idea for intending exhibitors to see them sold. No better lot
as been sold for years.
there are 45 Lots - 36 Females and 9 bulles.
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Shorthorns and Shropshires SSHORTHORN BULLS PRICED
 and heifers bred to Queen's Counsellor.
Tres Shrophires are yearling rams and ewes, bred
from importd But
H. L. STEAD, Wilton Grove, Ont.

Red, two years old, from a good imported cow,
Roan, trice tirteen months old, extra good, short-legged
 Red and White, ehirten mont ths, out of Lady Madge,
by LLingord Eclipee, price \$75. JOHN MILLER, BROUGHAM, ONTARIO.

## 7 Imported Scotch Shorthorn Bulls 7


 fred. barnett, manager. J. F. MITCHELL, BURLINGTON, ONT.


WHY NOT BUY A HIGH-CLASS SCOTCH SHORTHORN COW, Or a Helfer, Or a Bull, Or a Few Shropshire Ewes, Or a Few Cotswold
Ewes, Now, Whlle You Can Buy Them Low?
 at will make a start second to none.
ROBERT MILLER, stOUFFVILLE, ONT



KYLE BROS ${ }_{n}$, AYR, ONT.

VALLEY HOME SHORTHORNS AND BERKSHIRES



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| tat Station. 11 |

SHORTHORNS
 CLYDESDALES Ona pair of bay mareag and one dark browna, hean
draff and two ppring olla. JANIES McARTHUR, Gobles, Ontario.

We are
offering
5 Good Young Bulls at veri reasonalo prices in orde to olar, aloo 2 VERY pition. We can sell some extra well bred cows and heilers bred or with calves at foot) at prices Lhich should interest intending purchasers. Our farms are quite ciose fobe telephone. W. G. Pettit \& Sons, Freeman, Ontario.

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Just Landed with 50 Head CHOICE AYRSHIRES

## R. R. NESS, HOWICK, QUE

Ayrshires

| Ayrshires <br> CORY tashionable. N. DYMENT, CLAPPISON' CORS, ONTARIO. | $\begin{aligned} & \text { Holstei } \\ & \text { sir Mec } \\ & \text { world } \end{aligned}$ |
| :---: | :---: |
| Ayrshires from a Prizewining Herd- <br>  | ping stations-Paris, G. T.R.; Ayr, C. P. R <br> A. KENNEDY, Ayr, Ont. |
| SPRINGBROOK AYRSHIRES Orders booked for calven of 1000 W. F. STEPMEN. Box 163 . Huntingdon. Que | Imperial Holsteins! |
| Glenwood Stock Farm $\begin{gathered}\text { Holsteins and } \\ \text { Yorkshires }\end{gathered}$ Holsteins all old out. Have a tew winus yores sows, about 2 months whi | lot of coming herd-headers. W. H. SIMMONS <br> Holsteins at Ridsedale Farm- unty <br> ale rarm |
|  |  |
| Se mention this |  |

FOUNDED
QUESTIONS AND ANSWERS


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$\qquad$
ABSCESS ON KNEE. Calf, two months old, has fo
weeks had a lump on one knee. weeks had a lump on one knee. for
gan by swelling, then broke and
matter. The swelling is still present
and the calf very lame; so lame that
will not use the leg at all.

$\qquad$ joint. A cure is doubtful. If a
be still contained the swelling sho lanced and the cavity flushed out twick
daily with a five-per-cent carbolic acid in water. Apply hot lin
seed-meal poultices for a week or two
and if this treatment does not cause an and if this treatment does not cause
improvement it would be wise to destr HYPERTROPHY OF THE HEART Pregnant cow becaine
most of the time and respirations be
come labored and short. The skin unde jaw became puffiy, and the brisket swelle
greatly. She aborted. She licked great deal of salt and drank large quan
tities of water. She died. A post.
mortem revealed all organs healthy bu the heart, which was four tines th
normal size, and there was a fibrous fo
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LAME MARE.
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HEMORRHAGE FOLLOWING CASTRATION.
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Miscellaneous
A RUNAWAY

## II

your danger beGINS WHEN YOUR BACK ACHES.

E It the First and the Sure men of Kidney Disease.
Doan's Kidney Pills
 byr otaing sat not tho book
Thoy, bet directly on the kiang, ed
 Hom
Man Prank Foor, Woondide wis






Hich prices
E. T. CARTER \& CO.,
 $F_{\substack{\text { ARVUEW } \\ \text { HERD } \\ \text { HOLSTEINS }}}$
 Nat





 Sunny Hill Farms No more Holsteins
 c.P.R. and G.T.R Rells of an American
Tohnie Payne tell
 An Finglish sailor escorted the American
Ane the vesel, and coming to $n$ raisel everently remoted his hat said, as
're, sir, is the shot where t.on


## Mise answers. pervious urachus



MR. A. I. HICKMAN, $\begin{aligned} & \text { Centre and HO/Ste'MS } \\ & \text { Hillview }\end{aligned}$ Court Lodge, Egerton, Kent, England, EXPORTER OF PEDGREE LIVE STOCR
Of all descriptions.
the export of show the export of show and stud focks of sheep will
be a specialty. Wha can oo better for oou than the
man who lives on the spot? M.
 at the Bell Hotel, who sucoter, during the weel of the
Royal Show,
and colonial visitors there.

 AGAIN!E. \& F. MALLORY, Frankford, Ont.

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| ND COLLIES. |  |
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| w Shropshires | Ma |
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Swine
 and wiw wind
 A. O'NEIL \& SON, Birn. Ont.

## QUESTIONS AND ANSWER

 SCHOOL FENCINGCEMENT FLOORS AND POSTS.
CEMENT FLOORS AND POSTS.
How many harrels of coment will it
take too cemment a stable floor $36 \times 56$.
and how much gravel) Would it be ad-
aisal)
vo to put in cement ..... to fence nud maintain all the fence aroun
the schooll ground? EAST LUTHIB?WOULD HYDRAULIC RAM WORK
ceet of a rise to barn, fall from spring
three feetThree ieet the "here ram wolld work.
win water rumning to to fill
2inh hipe all winter. CouldAns. - Yes: without difficulty. An 18.8
inch fall would answer, if necessaryCOLIECTING FOR SERVICE.A bred his cow to B's bull, a registeredHolstein, and a good one. B's price
was $\$ 1.00$ per calf. About five months
Anterlater a sold his cow at public auction,
making the auctioneer and public under-stand she was due to calve in June. Thedouble the price he would have got halshe not beern bred. After the sale
asked Aasked A for $\$ 1.00$ for service, which herefused to pay, by saying. "You can't
prove she is in calf,".
2. Or has R to mother hinself to trac
the cow to find2. We ought to take that. or some
other way. of making sure eventually thathe is entitlect to payment. An action
for tho rucoures in same now would lhe
promnture
FATHER AND SONS FARMING
The managerment of same, the father sut
ing that he is not and doess not wishbee rewronsithe for everything.
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## WEAK MEN, LOOK !

Take This Beit for What it is Worth-Wear it Untll You Are Cured Then Pay Me My Price



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## Buy An Implement

## Just As You'd Buy A Horse

Look at it as carefully; examine it as thoroughly; consider the seller's reputation for fair dealing; and then think twiceand thrice. How it looks where it stands is no warranty for its work in the field. Investigate. There is, however, another way: look for the Cockshutt name on it. Then you know you're safe.

Beaver Sulky Plow Distinctly the easy-riding, light-draft, riding plow. Extra-large land-wheel and cushion-spring device makes it run smoothly on rough and bumpy land-keeps bottom cutting evenly by minimizing jolts and shocks. Stands hard work. I-beam of extraheavy high-carbon steel; ample lift clearance; new lever with spring-lift; automatic adjuster for depth (7 to 9 inches) and width. Readily handled by a 'grown boy - saves labor-cost as well as horseflesh. Two horses enough on most soils.

Beaver Gang Plow With three horses and this plow an unskilled hand - a boy even - can beat an expert plowman using ordinary plows, and save a couple of dollars a day out lay at that! No neck-weight; new straightener corrects crooked furrows by a touch of a lever. Extra-sized landwheel axle-arm makes both bottoms cut evenly at any depth, even on rough and ridgy ground. Adjustable frame sets width from 18 to 22 inches. fine ad justment ratchet lever fixes depth from 4 to 7 inches. The ideal gang for heavy clay soils. Write for details.

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neath, on all four sides -makes an "Oshawa"-shingled roof practically one solid sheet of steel, without a crevice or a crack.

That keeps out the slightest suspicion of moisture-it keeps out the winter winds and keeps in the warmth-and in wón't let them get through

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A n ybody can put Anybody can put hammer and a tinner's shears are all the tools necessary. It is impossible to get them on wrong-you'll see why when you send for a sample shingle and a book about "Roofing Right." Suppose you send for the book and the sample to-

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